

sub 01

25. (Amended) An apparatus according to preceding claims  
claim 21 , wherein said connector is including an output terminal  
of said throttle sensor and an input terminal for the connection  
to an external power supply.

Please add the following claims:

<sup>34</sup>

27. (New) An airflow rate control apparatus, comprising a  
motor, a throttle valve element driven by said motor; a throttle  
sensor for detecting an opening degree of the throttle valve  
element, wherein the motor and the sensor are located in a sealed  
space formed by a body for mounting the throttle valve element  
and a cover means and electrical connections of the motor and of  
the throttle sensor respectively, aggregated into a single  
connector.

<sup>35</sup>

28. (New) An apparatus according to claim <sup>34</sup>27, further  
comprising a switching means capable of selectively disconnecting  
said motor from said throttle valve element.

<sup>36</sup>

29. (New) An apparatus according to claim <sup>34</sup>27, further  
comprising an opening for communication between said sealed space  
and ambient surroundings.

<sup>37</sup>

<sup>30</sup>. (New) An apparatus according to claim <sup>34</sup>27, wherein said single connector is provided on said cover means.

<sup>38</sup>

<sup>31</sup>. (New) An apparatus according to claim <sup>34</sup>27, further comprising a controller for processing a signal received via said electrical connections from said throttle sensor and outputting a command signal to said motor in response thereto.

<sup>39</sup>

<sup>32</sup>. (New) An apparatus according to claim <sup>34</sup>27, wherein said connector is operatively mounted to said body and comprises an output terminal of said throttle sensor and an input terminal of said motor.

<sup>40</sup>

<sup>33</sup>. (New) An apparatus according to claim <sup>34</sup>27, further comprising a lost motion mechanism disposed within said sealed space for applying rotational force against a shaft of said throttle valve element in the event of motor malfunction.

<sup>41</sup>

<sup>34</sup>. (New) An apparatus according to claim <sup>40</sup>33, wherein said lost motion mechanism comprises a shaft, a spring holder attached to the shaft and returning springs for applying said rotational force against said shaft.

<sup>42</sup>  
35. (New) An air flow rate control apparatus, comprising a motor, a throttle valve element driven by said motor, a throttle sensor for detecting an opening degree of said throttle valve element, a cover means operatively attached to a body for accommodating the throttle sensor in a space formed by cover means and said body, and a connector and a terminal formed on an outside surface and an inside surface of said cover means respectively, wherein said motor is electrically connected to said connector through said terminal for connection to ambient.

D<sup>2</sup> <sup>43</sup>  
36. (New) An apparatus according to claim <sup>42</sup>35, further comprising a switching means capable of selectively disconnecting said motor from said throttle valve element.

<sup>44</sup>  
37. (New) An apparatus according to claim <sup>42</sup>35, further comprising said apparatus further comprises a controller for processing a signal received via said electrical connections from said throttle sensor and outputting a command signal to said motor in response thereto.

<sup>45</sup>  
38. (New) An apparatus according to claim <sup>42</sup>35, further comprising a lost motion mechanism disposed in said space for applying a rotational force against a shaft said throttle valve element in the event of motor malfunction.

<sup>46</sup>  
39. (New) An apparatus according to claim <sup>45</sup>38, wherein said lost motion mechanism comprises a shaft, a spring holder attached to the shaft and returning springs for applying said rotational force against said shaft.

<sup>47</sup>  
40. (New) An airflow rate control apparatus comprising a motor, a throttle valve element driven by said motor, a throttle sensor for detecting an opening degree of said throttle valve element, a control circuit including a control circuit for said motor and a cover means accommodating said control circuit and provided with a connector as an interface to ambient, wherein said cover means forms a space together with a throttle body for accommodating the throttle sensor in the space.

<sup>48</sup>  
41. (New) An apparatus according to claim <sup>47</sup>40, further comprising switching means capable of selectively disconnecting said motor from said throttle valve element.

<sup>49</sup>  
42. (New) An apparatus according to claim <sup>47</sup>40, wherein said connector is provided on said cover means.

<sup>50</sup>  
43. (New) An apparatus according to claim <sup>47</sup>40, wherein said control circuit is configured to process a signal received from

said throttle sensor and to output a command signal to said motor in response thereto.

<sup>51</sup>  
44. (New) An apparatus according to claim <sup>47</sup>~~40~~, wherein said connector comprises an output terminal of said throttle sensor and an input terminal for connection to an external power supply.

<sup>52</sup>  
45. (New) An apparatus according to claim <sup>47</sup>~~40~~, further comprising a lost motion mechanism disposed on said space for applying a rotational force against shaft of said throttle valve element in the event of motor malfunction.

<sup>53</sup>  
46. (New) An apparatus according to claim <sup>52</sup>~~45~~, wherein said lost motion mechanism comprises a shaft, a spring holder attached to the shaft and returning springs for applying said rotational force against said shaft.